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* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JAN 02	STN pricing information for 2008 now available
NEWS 3	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS 4	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS 5	JAN 28	MARPAT searching enhanced
NEWS 6	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS 7	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 8	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS 9	FEB 08	STN Express, Version 8.3, now available
NEWS 10	FEB 20	PCI now available as a replacement to DPCI
NEWS 11	FEB 25	IFIREF reloaded with enhancements
NEWS 12	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS 13	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS 14	MAR 31	IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats
NEWS 15	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS 16	MAR 31	CA/CAplus and CASREACT patent number format for U.S. applications updated
NEWS 17	MAR 31	LPCI now available as a replacement to LDPCI
NEWS 18	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 19	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS 20	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS 21	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS 22	APR 28	IMSRESEARCH reloaded with enhancements
NEWS 23	MAY 30	INPAFAMDB now available on STN for patent family searching
NEWS 24	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS 25	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS 26	JUN 06	KOREAPAT updated with 41,000 documents
NEWS 27	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS 28	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS 29	JUN 25	CA/CAplus and USPAT databases updated with IPC reclassification data
NEWS 30	JUN 30	AEROSPACE enhanced with more than 1 million U.S. patent records
NEWS 31	JUN 30	EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated

```
                organizations
 NEWS 32  JUN 30  STN on the Web enhanced with new STN AnaVist
                  Assistant and BLAST plug-in
 NEWS 33  JUN 30  STN AnaVist enhanced with database content from EPFULL

 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
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 NEWS IPC8     For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
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* * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:46:39 ON 16 JUL 2008

=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files.  For example, the EXPAND
command can only be used to look at the index in a file which has an
index.  Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.21       0.21

FILE 'REGISTRY' ENTERED AT 11:46:59 ON 16 JUL 2008
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STRUCTURE FILE UPDATES:   15 JUL 2008  HIGHEST RN 1034171-01-1
DICTIONARY FILE UPDATES:  15 JUL 2008  HIGHEST RN 1034171-01-1

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

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REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
```
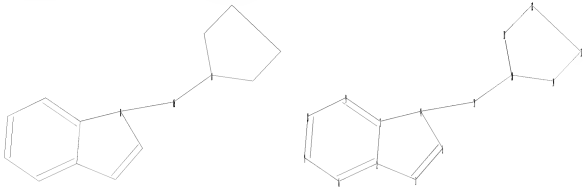

experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\STNEXP\Queries\10566094a1.str



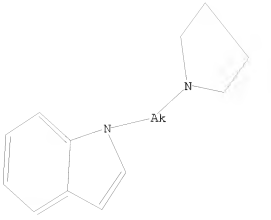
chain nodes :
15
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14
chain bonds :
4-15 10-15
ring bonds :
1-2 1-5 2-3 2-6 3-4 3-9 4-5 6-7 7-8 8-9 10-14 10-11 11-12 12-13 13-14

exact/norm bonds :
1-2 1-5 3-4 4-5 4-15 10-14 10-11 10-15 11-12 12-13 13-14
normalized bonds :
2-3 2-6 3-9 6-7 7-8 8-9

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS
Element Count :
Node 15: Limited
C,C1-3

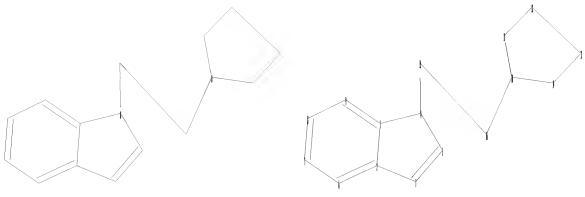
L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

```
=> s l1 sss sam
SAMPLE SEARCH INITIATED 11:47:12 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   103791 TO ITERATE

  1.9% PROCESSED     2000 ITERATIONS                                3 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:      2056698 TO  2094942
PROJECTED ANSWERS:            2365 TO     3861

L2            3 SEA SSS SAM L1

=> s l1 sss fam
'SSS' IS NOT VALID HERE
For additional help, enter "HELP SEARCH".

=> s l1 fam sam
STRUCTURES CONTAINING VARIABLE NODES NOT VALID IN EXACT OR FAMILY SEARCH
You have requested a full structure (EXA or FAM) search on a
structure containing one of the special variable-atom symbols
A, M, Q, or X, or a variable group G.  Only bond variability
is allowed in structures for EXA or FAM searches.  Variable
nodes are never permitted.

=>
Uploading C:\Program Files\STNEXP\Queries\10566094a2.str
```



```
chain nodes :
15  16
ring nodes :
1  2  3  4  5  6  7  8  9  10  11  12  13  14
chain bonds :
4-15  10-16  15-16
ring bonds :
1-2  1-5  2-3  2-6  3-4  3-9  4-5  6-7  7-8  8-9  10-14  10-11  11-12  12-13  13-14

exact/norm bonds :
1-2  1-5  3-4  4-5  4-15  10-14  10-11  10-16  11-12  12-13  13-14
exact bonds :
15-16
normalized bonds :
2-3  2-6  3-9  6-7  7-8  8-9


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom  12:Atom  13:Atom  14:Atom  15:CLASS  16:CLASS



L3      STRUCTURE UPLOADED

=> s l3 sss sam
SAMPLE SEARCH INITIATED 11:48:44 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     8480 TO ITERATE

 23.6% PROCESSED     2000 ITERATIONS                          16 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       164080 TO   175120
PROJECTED ANSWERS:             862 TO     1850

L4           16 SEA SSS SAM L3

=> s l3 sss full
FULL SEARCH INITIATED 11:48:58 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   167937 TO ITERATE

100.0% PROCESSED   167937 ITERATIONS                        1330 ANSWERS
```

SEARCH TIME: 00.00.01

L5 1330 SEA SSS FUL L3

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 179.74 179.95

FILE 'CAPLUS' ENTERED AT 11:49:06 ON 16 JUL 2008
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FILE COVERS 1907 - 16 Jul 2008 VOL 149 ISS 3
FILE LAST UPDATED: 15 Jul 2008 (20080715/ED)

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http://www.cas.org/legal/infopolicy.html

=> s l5
L6 211 L5

=> file reg
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 0.48 180.43

FILE 'REGISTRY' ENTERED AT 11:49:40 ON 16 JUL 2008
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DICTIONARY FILE UPDATES: 15 JUL 2008 HIGHEST RN 1034171-01-1

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http://www.cas.org/support/stngen/stndoc/properties.html

```
=> s l6 and serotonin
          528 SEROTONIN
L7          0 L6 AND SEROTONIN

=> s l6 and 5ht
           18 5HT
L8          0 L6 AND 5HT

=> s l6
L9       1330 L5

=> s l6 and 5-ht
      15225065 5
          2519 HT
            66 HTS
          2580 HT
                (HT OR HTS)
           295 5-HT
                (5(W)HT)
L10         0 L6 AND 5-HT

=> s l6 and appetite
             6 APPETITE
L11          0 L6 AND APPETITE

=> file caplus
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                28.05     208.48

FILE 'CAPLUS' ENTERED AT 11:52:39 ON 16 JUL 2008
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```


FILE COVERS 1907 - 16 Jul 2008 VOL 149 ISS 3
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http://www.cas.org/legal/infopolicy.html

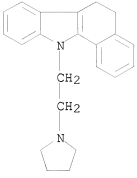
=>

```
=> d ibib abs hitstr 200
L11 HAS NO ANSWERS
'IBIB ABS HITSTR ' IS NOT A VALID STRUCTURE FORMAT KEYWORD
Structure Formats
SIA ----- Structure Image, Attributes, and map table if it contains
          data.  (Default)
SIM ----- Structure IMage.
SAT ----- Structure ATtributes and map table if it contains data.
SCT ----- Structure Connection Table and map table if it contains
          data.
SDA ----- All Structure DAta (image, attributes, connection table and
          map table if it contains data).
NOS ----- NO Structure data.
ENTER STRUCTURE FORMAT (SIA), SCT, SDA, SIM, SAT, NOS:end

=> s l5
L12         211 L5

=> d ibib abs hitstr 200

L12  ANSWER 200 OF 211  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:         1966:19187  CAPLUS
DOCUMENT NUMBER:          64:19187
ORIGINAL REFERENCE NO.:   64:3492g-h,3493a
TITLE:                    11-(Tertiary aminoalkyl)-5,6-dihydro-11H-
                          benzo[a]carbazoles
INVENTOR(S):              Freed, Meier E.; Rice, Leonard M.; Hertz, Elisabeth
PATENT ASSIGNEE(S):       American Home Products Corp.
SOURCE:                   3 pp.
DOCUMENT TYPE:            Patent
LANGUAGE:                 Unavailable
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ---------------     ----   --------    --------------------   --------
     US 3215691                 19651102    US 1962-168505         19620124
PRIORITY APPLN. INFO.:                      US                     19620124
AB   The title compds. are claimed to have antidepressant, anorectic, and
     anti-histaminic activity.  5,6-Dihydro-11H-benzo[a]carbazole (11 g.) and
     1.44 g. NaH in 100 ml. HCONMe2 was stirred 1 hr. at 35-40°, treated
     with 6 g. Me2N(CH2)3Cl and the mixture stirred overnight.  The mixture was
     cooled, poured into ice-H2O, acidified with dilute HCl, extracted with Et2O,
     and the aqueous layer basified with NaOH.  The oily product which separated was
     extracted with Et2O and the Et2O extract was washed with aqueous NaCl, dried,
and
     evaporated to give 11-(3-dimethylaminopropyl)-5,6-dihydro-11H-
     benzo[a]carbazole, m. 59-60° (90% EtOH) [HCl salt m. 222-3°
     (Me2CO-MeOH)].  Similarly prepared were the following substituted
     5,6-dihydro-11H-benzo[a]carbazoles (substituent given):
     11-(2-piperidinoethyl), m. 91-2° (HCl salt m. 214-222°;
     fumarate salt m. 204-6°); 11-(2-dimethylaminoethyl), (HCl salt m.
     228-31°); 11-(2-pyrrolidinoethyl), m. 85.6-86.0° (fumarate
     salt m. 192.5-3°); 11-(2-dimethylaminoethyl), b0.08 168°
     (fumarate salt m. 147-50°); 11-(2-dimethylaminopropyl), (fumarate
     salt m. 159-62°); 11-(2-morpholinoethyl), m. 122-3°;
     11-(3-dipropylaminopropyl) [fumarate salt m. 142-4° (decomposition)];
     and 11-(6-dimethylaminohexyl) (fumarate salt m. 104-7°).
```

IT 4624-82-2P, 5H-Benzo[a]carbazole, 6,11-dihydro-11-[2-(1-pyrrolidinyl)ethyl]- 4624-83-3P, 5H-Benzo[a]carbazole, 6,11-dihydro-11-[2-(1-pyrrolidinyl)ethyl]-, fumarate (1:1)
RL: PREP (Preparation)
(preparation of)

RN 4624-82-2 CAPLUS

CN 5H-Benzo[a]carbazole, 6,11-dihydro-11-[2-(1-pyrrolidinyl)ethyl]- (CA INDEX NAME)

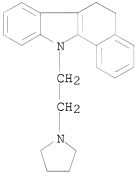


RN 4624-83-3 CAPLUS

CN 5H-Benzo[a]carbazole, 6,11-dihydro-11-[2-(1-pyrrolidinyl)ethyl]-, fumarate (1:1) (8CI) (CA INDEX NAME)

CM 1

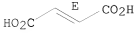
CRN 4624-82-2
CMF C22 H24 N2



CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



```
=> end
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:logoff
'LOGOFF' IS NOT VALID HERE
For an explanation, enter "HELP LOGOFF".

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     8.33     216.81

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -0.80      -0.80

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STRUCTURE FILE UPDATES:   15 JUL 2008  HIGHEST RN 1034171-01-1
DICTIONARY FILE UPDATES:  15 JUL 2008  HIGHEST RN 1034171-01-1

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predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\STNEXP\Queries\10566094a3.str
```
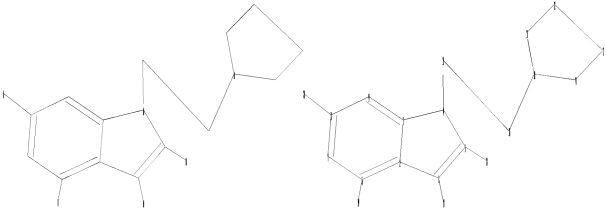
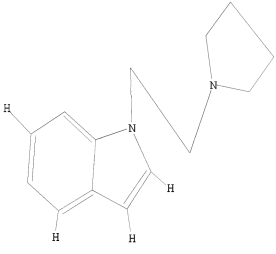



```
chain nodes :
15  16  17  18  19  20
ring nodes :
1  2  3  4  5  6  7  8  9  10  11  12  13  14
```

```
chain bonds :
1-17  4-15  5-18  6-19  8-20  10-16  15-16
ring bonds :
1-2  1-5  2-3  2-6  3-4  3-9  4-5  6-7  7-8  8-9  10-14  10-11  11-12  12-13  13-14

exact/norm bonds :
1-2  1-5  3-4  4-5  4-15  10-14  10-11  10-16  11-12  12-13  13-14
exact bonds :
1-17  5-18  6-19  8-20  15-16
normalized bonds :
2-3  2-6  3-9  6-7  7-8  8-9


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom  12:Atom  13:Atom  14:Atom  15:CLASS  16:CLASS  17:CLASS  18:CLASS
19:CLASS  20:CLASS



L13     STRUCTURE UPLOADED

=> d l13
L13 HAS NO ANSWERS
L13             STR
```




```
Structure attributes must be viewed using STN Express query preparation.


=> s l13 sss sam
SAMPLE SEARCH INITIATED 11:56:32 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     8480 TO ITERATE

 23.6% PROCESSED     2000 ITERATIONS                                 3 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:       164080 TO   175120
PROJECTED ANSWERS:              41 TO      467
```

```
L14           3 SEA SSS SAM L13

=> s l13 sss full
FULL SEARCH INITIATED 11:56:37 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   167937 TO ITERATE

100.0% PROCESSED   167937 ITERATIONS                              86 ANSWERS
SEARCH TIME: 00.00.01

L15          86 SEA SSS FUL L13

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                             178.36     395.17

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                               0.00      -0.80

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FILE LAST UPDATED: 15 Jul 2008  (20080715/ED)

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reclassification data for the second quarter of 2008.

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=> s l15
L16          27 L15

=> d ibib abs hitstr 15

L16  ANSWER 15 OF 27  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:         2004:725572  CAPLUS
DOCUMENT NUMBER:          142:211383
TITLE:                    Medicinal Chemistry Driven Approaches Toward Novel and
                          Selective Serotonin 5-HT6 Receptor Ligands
AUTHOR(S):                Holenz, Joerg; Merce, Ramon; Diaz, Jose Luis; Guitart,
                          Xavier; Codony, Xavier; Dordal, Alberto; Romero,
                          Gonzalo; Torrens, Antoni; Mas, Josep; Andaluz, Blas;
                          Hernandez, Susana; Monroy, Xavier; Sanchez, Elisabeth;
                          Hernandez, Enrique; Perez, Raquel; Cubi, Roger;
```

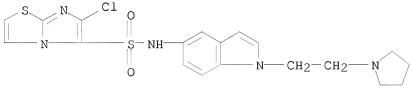
Sanfeliu, Olga; Buschmann, Helmut
CORPORATE SOURCE: Departments of Medicinal Chemistry, Discovery Biology and Discovery Chemistry, Laboratorios Dr. Esteve S.A., Barcelona, 08041, Spain
SOURCE: Journal of Medicinal Chemistry (2005), 48(6), 1781-1795
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 142:211383

AB Based on a medicinal chemical guided hypothetical pharmacophore model, novel series of indolyl sulfonamides have been designed and prepared as selective and high-affinity serotonin 5-HT6 receptor ligands. Furthermore, based on a screening approach of a discovery library, a series of benzoxazinepiperidinyl sulfonamides were identified as selective 5-HT6 ligands. Many of the compds. described in this paper possess excellent affinities, displaying pKi values greater than 8 (some even >9) and high selectivities against a wide range (>50) of other CNS relevant receptors. First, structure-affinity relationships of these ligands are discussed. In terms of functionality, high-affinity antagonists, as well as agonists and even partial agonists, were prepared Compds. 19c and 19g represent the highest-affinity 5-HT6 agonists ever reported in the literature. These valuable tool compds. should allow for the detailed study of the role of the 5-HT6 receptor in relevant animal models of disorders such as cognition deficits, depression, anxiety, or obesity.

IT 753020-85-8P
RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(medicinal chemical driven approaches toward novel and selective serotonin 5-HT6 receptor ligands)

RN 753020-85-8 CAPLUS

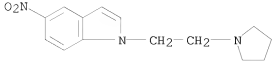
CN Imidazo[2,1-b]thiazole-5-sulfonamide, 6-chloro-N-[1-[2-(1-pyrrolidinyl)ethyl]-1H-indol-5-yl]- (CA INDEX NAME)



IT 753021-17-9P 753021-23-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(medicinal chemical driven approaches toward novel and selective serotonin 5-HT6 receptor ligands)

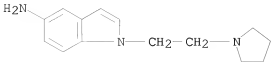
RN 753021-17-9 CAPLUS

CN 1H-Indole, 5-nitro-1-[2-(1-pyrrolidinyl)ethyl]- (CA INDEX NAME)



RN 753021-23-7 CAPLUS

CN 1H-Indol-5-amine, 1-[2-(1-pyrrolidinyl)ethyl]- (CA INDEX NAME)



REFERENCE COUNT: 68 THERE ARE 68 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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